

Refine Search

Search Results -

Terms	Documents
L5 and server	52

Database:

US Pre-Grant Publication Full-Text Database
 US Patents Full-Text Database
 US OCR Full-Text Database
 EPO Abstracts Database
 JPO Abstracts Database
 Derwent World Patents Index
 IBM Technical Disclosure Bulletins

Search:

Search History

DATE: Wednesday, February 09, 2005 [Printable Copy](#) [Create Case](#)

<u>Set Name</u> side by side	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u> result set
<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=NO; OP=OR</i>			
<u>L6</u>	L5 and server	52	<u>L6</u>
<u>L5</u>	L4 and digital and nodes and network	70	<u>L5</u>
<u>L4</u>	L3 and system	186	<u>L4</u>
<u>L3</u>	L2 and optimiz\$6	189	<u>L3</u>
<u>L2</u>	Intelligent near object	552	<u>L2</u>
<u>L1</u>	09/976,368	1	<u>L1</u>

END OF SEARCH HISTORY

Hit List

Search Results - Record(s) 1 through 50 of 52 returned.

☐ 1. Document ID: US 20030218070 A1

Using default format because multiple data bases are involved.

L6: Entry 1 of 52

File: PGPB

Nov 27, 2003

PGPUB-DOCUMENT-NUMBER: 20030218070

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030218070 A1

TITLE: Hand-supportable planar laser illumination and imaging (PLIIM) based camera system capable of producing digital linear images of a object, containing pixels having a substantially uniform aspectratio independent of the measured relative velocity of said object while manually moving said PLIIM based camera system past said object during illumination and imaging operations

PUBLICATION-DATE: November 27, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Tsikos, Constantine J.	Voorhees	NJ	US	
Knowles, C. Harry	Moorestown	NJ	US	
Zhu, Xiaoxun	Marlton	NJ	US	
Schnee, Michael D.	Aston	PA	US	
Au, Ka Man	Philadelphia	PA	US	
Wirth, Allan	Bedford	MA	US	
Good, Timothy A.	Clementon	NJ	US	
Jankevics, Andrew	Westford	MA	US	
Ghosh, Sankar	Glenolden	PA	US	
Naylor, Charles A.	Sewell	NJ	US	
Amundsen, Thomas	Turnersville	NJ	US	
Blake, Robert	Woodbury Heights	NJ	US	
Svedas, William	Deptford	NJ	US	
Defoney, Shawn	Runnemede	NJ	US	
Skypala, Edward	Blackwood	NJ	US	
Vatan, Pirooz	Wilmington	MA	US	
Dobbs, Russell Joseph	Cherry Hill	NJ	US	
Kolis, George	Pennsauken	NJ	US	
Schmidt, Mark C.	Williamstown	NJ	US	
Yorsz, Jeffery	Winchester	MA	US	
Giordano, Patrick A.	Blackwood	NJ	US	
Colavito, Stephen J.	Brookhaven	PA	US	
Wilz, David W. SR.	Sewell	NJ	US	

Schwartz, Barry E.	Haddonfield	NJ	US
Kim, Steven Y.	Cambridge	MA	US
Fisher, Dale	Voorhees	NJ	US
Tassell, Jon Van	Winchester	MA	US

US-CL-CURRENT: 235/472.01

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw. De
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☐ 2. Document ID: US 20030102379 A1

L6: Entry 2 of 52

File: PGPB

Jun 5, 2003

PGPUB-DOCUMENT-NUMBER: 20030102379
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030102379 A1

TITLE: LED-based planar light illumination and imaging (PLIIM) engine

PUBLICATION-DATE: June 5, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Tsikos, Constantine J.	Voorhees	NJ	US	
Knowles, C. Harry	Moorestown	NJ	US	
Good, Timothy A.	Clementon	NJ	US	
Schnee, Michael D.	Aston	PA	US	
Zhu, Xiaoxun	Marlton	NJ	US	
Amundsen, Thomas	Turnersville	NJ	US	
Schmidt, Mark C.	Williamstown	NJ	US	
Giordano, Patrick A.	Blackwood	NJ	US	

US-CL-CURRENT: 235/462.45

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw. De
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☐ 3. Document ID: US 20030098353 A1

L6: Entry 3 of 52

File: PGPB

May 29, 2003

PGPUB-DOCUMENT-NUMBER: 20030098353
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030098353 A1

TITLE: Planar laser illumination and imaging (PLIIM) engine

PUBLICATION-DATE: May 29, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Tsikos, Constantine J.	Voorhees	NJ	US	
Knowles, C. Harry	Moorestown	NJ	US	
Zhu, Xiaoxun	Marlton	NJ	US	
Schnee, Michael D.	Aston	PA	US	
Amundsen, Thomas	Turnersville	NJ	US	
Schmidt, Mark C.	Williamstown	NJ	US	
Giordano, Patrick A.	Blackwood	NJ	US	

US-CL-CURRENT: 235/472.01

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. D.
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☐ 4. Document ID: US 20030098349 A1

L6: Entry 4 of 52

File: PGPB

May 29, 2003

PGPUB-DOCUMENT-NUMBER: 20030098349

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030098349 A1

TITLE: Hand-supportable planar laser illumination and imaging (PLIIM) devices employing linear electronic image detection arrays and optically-combined planar laser illumination beams (PLIBS) produced from a multiplicity of laser diode sources to achieve a reduction in speckle-pattern noise power in said PLIIM devices

PUBLICATION-DATE: May 29, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Tsikos, Constantine J.	Voorhees	NJ	US	
Knowles, C. Harry	Moorestown	NJ	US	
Zhu, Xiaoxun	Marlton	NJ	US	
Schnee, Michael D.	Aston	PA	US	
Good, Timothy A.	Clementon	NJ	US	

US-CL-CURRENT: 235/462.01

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. D.
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☐ 5. Document ID: US 20030094495 A1

L6: Entry 5 of 52

File: PGPB

May 22, 2003

PGPUB-DOCUMENT-NUMBER: 20030094495

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030094495 A1

TITLE: Nuclear resonance based scanning system having an automatic object identification and attribute information acquisition and linking mechanism

integrated therein

PUBLICATION-DATE: May 22, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Knowles, C. Harry	Moorestown	NJ	US	
Schmidt, Mark C.	Williamstown	NJ	US	
Fisher, Dale	Voorhees	NJ	US	

US-CL-CURRENT: 235/462.14

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw. D.
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☐ 6. Document ID: US 20030089778 A1

L6: Entry 6 of 52

File: PGPB

May 15, 2003

PGPUB-DOCUMENT-NUMBER: 20030089778

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030089778 A1

TITLE: Method of and system for automatically producing digital images of a moving object, with pixels having a substantially uniform white level independent of the velocity of said moving object

PUBLICATION-DATE: May 15, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Tsikos, Constantine J.	Voorhees	NJ	US	
Knowles, C. Harry	Moorestown	NJ	US	
Zhu, Xiaoxun	Marlton	NJ	US	
Schnee, Michael D.	Aston	PA	US	
Au, Ka Man	Philadelphia	PA	US	
Wirth, Allan	Bedford	MA	US	
Good, Timothy A.	Clementon	NJ	US	
Ghosh, Sankar	Glenolden	PA	US	
Amundsen, Thomas	Turnersville	NJ	US	

US-CL-CURRENT: 235/454

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw. D.
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☐ 7. Document ID: US 20030085281 A1

L6: Entry 7 of 52

File: PGPB

May 8, 2003

PGPUB-DOCUMENT-NUMBER: 20030085281

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030085281 A1

TITLE: Tunnel-type package identification system having a remote image keying station with an ethernet-over-fiber-optic data communication link

PUBLICATION-DATE: May 8, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Knowles, C. Harry	Moorestown	NJ	US	
Kim, Steven Y.	Cambridge	MA	US	

US-CL-CURRENT: 235/454

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw. D.
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☐ 8. Document ID: US 20030085280 A1

L6: Entry 8 of 52

File: PGPB

May 8, 2003

PGPUB-DOCUMENT-NUMBER: 20030085280

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030085280 A1

TITLE: Method of speckle-noise pattern reduction and apparatus therefor based on reducing the spatial-coherence of the planar laser illumination beam before it illuminates the target object by applying spatial intensity modulation techniques during the transmission of the PLIB towards the target

PUBLICATION-DATE: May 8, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Tsikos, Constantine J.	Voorhees	NJ	US	
Knowles, C. Harry	Moorestown	NJ	US	
Wirth, Allan	Bedford	MA	US	
Good, Timothy A.	Clementon	NJ	US	
Jankevics, Andrew	Westford	MA	US	

US-CL-CURRENT: 235/454

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw. D.
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☐ 9. Document ID: US 20030080192 A1

L6: Entry 9 of 52

File: PGPB

May 1, 2003

PGPUB-DOCUMENT-NUMBER: 20030080192

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030080192 A1

TITLE: Neutron-beam based scanning system having an automatic object identification and attribute information acquisition and linking mechanism integrated therein

PUBLICATION-DATE: May 1, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Tsikos, Constantine J.	Voorhees	NJ	US	
Knowles, C. Harry	Moorestown	NJ	US	
Zhu, Xiaoxun	Marlton	NJ	US	
Schnee, Michael D.	Aston	PA	US	
Au, Ka Man	Philadelphia	PA	US	
Wirth, Allan	Bedford	MA	US	
Good, Timothy A.	Clementon	NJ	US	
Jankevics, Andrew	Westford	MA	US	
Ghosh, Sankar	Glenolden	PA	US	
Naylor, Charles A.	Sewell	NJ	US	
Amundsen, Thomas	Turnersville	NJ	US	
Blake, Robert	Woodbury Heights	NJ	US	
Svedas, William	Deptford	NJ	US	
Defoney, Shawn	Runnemede	NJ	US	
Skypala, Edward	Blackwood	NJ	US	
Vatan, Pirooz	Wilmington	MA	US	
Dobbs, Russell Joseph	Cherry Hill	NJ	US	
Kolis, George	Pennsauken	NJ	US	
Schmidt, Mark C.	Williamstown	NJ	US	
Yorsz, Jeffery	Winchester	MA	US	
Giordano, Patrick A.	Blackwood	NJ	US	
Colavito, Stephen J.	Brookhaven	PA	US	
Wilz, David W. SR.	Sewell	NJ	US	
Schwartz, Barry E.	Haddonfield	NJ	US	
Kim, Steven Y.	Cambridge	MA	US	
Fisher, Dale	Voorhees	NJ	US	
Tassell, Jon Van	Winchester	MA	US	

US-CL-CURRENT: 235/462.14

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 10. Document ID: US 20030080190 A1

L6: Entry 10 of 52

File: PGPB

May 1, 2003

PGPUB-DOCUMENT-NUMBER: 20030080190

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030080190 A1

TITLE: Method of and system for automatically producing digital images of a moving object, with pixels having a substantially uniform white level independent of the

velocity of said moving object

PUBLICATION-DATE: May 1, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Tsikos, Constantine J.	Voorhees	NJ	US	
Knowles, C. Harry	Moorestown	NJ	US	
Zhu, Xiaoxun	Marlton	NJ	US	
Schnee, Michael D.	Aston	PA	US	
Au, Ka Man	Philadelphia	PA	US	
Wirth, Allan	Bedford	MA	US	
Good, Timothy A.	Clementon	NJ	US	
Jankevics, Andrew	Westford	MA	US	
Ghosh, Sankar	Glenolden	PA	US	
Naylor, Charles A.	Sewell	NJ	US	
Amundsen, Thomas	Turnersville	NJ	US	
Blake, Robert	Woodbury Heights	NJ	US	
Svedas, William	Deptford	NJ	US	
Defoney, Shawn	Runnemede	NJ	US	
Skypala, Edward	Blackwood	NJ	US	
Vatan, Pirooz	Wilmington	MA	US	
Dobbs, Russell Joseph	Cherry Hill	NJ	US	
Kolis, George	Pennsauken	NJ	US	
Schmidt, Mark C.	Williamstown	NJ	US	
Yorsz, Jeffery	Winchester	MA	US	
Giordano, Patrick A.	Blackwood	NJ	US	
Colavito, Stephen J.	Brookhaven	PA	US	
Wilz, David W. SR.	Sewell	NJ	US	
Schwartz, Barry E.	Haddonfield	NJ	US	
Kim, Steven Y.	Cambridge	MA	US	
Fisher, Dale	Voorhees	NJ	US	
Tassell, Jon Van	Winchester	MA	US	

US-CL-CURRENT: 235/462.01

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw. De
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☐ 11. Document ID: US 20030071128 A1

L6: Entry 11 of 52

File: PGPB

Apr 17, 2003

PGPUB-DOCUMENT-NUMBER: 20030071128

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030071128 A1

TITLE: Led-based planar light illumination and imaging (PLIIM) based camera system employing real-time object coordinate acquisition and producing to control automatic zoom and focus imaging optics

PUBLICATION-DATE: April 17, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Tsikos, Constantine J.	Voorhees	NJ	US	
Knowles, C. Harry	Moorestown	NJ	US	
Zhu, Xiaoxun	Marlton	NJ	US	
Schnee, Michael D.	Aston	PA	US	
Au, Ka Man	Philadelphia	PA	US	
Good, Timothy A.	Clementon	NJ	US	
Ghosh, Sankar	Glenolden	PA	US	
Amundsen, Thomas	Turnersville	NJ	US	

US-CL-CURRENT: 235/470

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Drawings
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☐ 12. Document ID: US 20030071124 A1

L6: Entry 12 of 52

File: PGPB

Apr 17, 2003

PGPUB-DOCUMENT-NUMBER: 20030071124

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030071124 A1

TITLE: Method of speckle-noise pattern reduction and apparatus therefor based on reducing the temporal-coherence of the planar laser illumination beam before it illuminates the target object by applying temporal phase modulation techniques during the transmission of the PLIB towards the target

PUBLICATION-DATE: April 17, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Tsikos, Constantine J.	Voorhees	NJ	US	
Knowles, C. Harry	Moorestown	NJ	US	
Zhu, Xiaoxun	Marlton	NJ	US	
Schnee, Michael D.	Aston	PA	US	
Au, Ka Man	Philadelphia	PA	US	
Wirth, Allan	Bedford	MA	US	
Good, Timothy A.	Clementon	NJ	US	
Jankevics, Andrew	Westford	MA	US	
Ghosh, Sankar	Glenolden	PA	US	
Naylor, Charles A.	Sewell	NJ	US	
Amundsen, Thomas	Turnersville	NJ	US	
Blake, Robert	Woodbury Heights	NJ	US	
Svedas, William	Deptford	NJ	US	
Defoney, Shawn	Runnemede	NJ	US	
Skypala, Edward	Blackwood	NJ	US	

Vatan, Pirooz	Wilmington	MA	US
Dobbs, Russell Joseph	Cherry Hill	NJ	US
Kolis, George	Pennsauken	NJ	US
Schmidt, Mark C.	Williamstown	NJ	US
Yorsz, Jeffery	Winchester	MA	US
Giordano, Patrick A.	Blackwood	NJ	US
Colavito, Stephen J.	Brookhaven	PA	US
Wilz, David W. SR.	Sewell	NJ	US
Schwartz, Barry E.	Haddonfield	NJ	US
Kim, Steven Y.	Cambridge	MA	US
Fisher, Dale	Voorhees	NJ	US
Tassell, Jon Van	Winchester	MA	US

US-CL-CURRENT: 235/454

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 13. Document ID: US 20030071123 A1

L6: Entry 13 of 52

File: PGPB

Apr 17, 2003

PGPUB-DOCUMENT-NUMBER: 20030071123

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030071123 A1

TITLE: Method of speckle-noise pattern reduction and apparatus therefor based on reducing the temporal coherence of the planar laser illumination beam before it illuminates the target object by applying temporal intensity modulation techniques during the transmission of the PLIB towards the target

PUBLICATION-DATE: April 17, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Tsikos, Constantine J.	Voorhees	NJ	US	
Knowles, C. Harry	Moorestown	NJ	US	
Wirth, Allan	Bedford	MA	US	
Good, Timothy A.	Clementon	NJ	US	
Jankevics, Andrew	Westford	MA	US	

US-CL-CURRENT: 235/454

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 14. Document ID: US 20030071122 A1

L6: Entry 14 of 52

File: PGPB

Apr 17, 2003

PGPUB-DOCUMENT-NUMBER: 20030071122

PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030071122 A1

TITLE: Internet-based method of and system for remotely monitoring, configuring and servicing planar laser illumination and imaging (PLIIM) based networks with nodes for supporting object identification and attribute information acquisition functions

PUBLICATION-DATE: April 17, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Tsikos, Constantine J.	Voorhees	NJ	US	
Knowles, C. Harry	Moorestown	NJ	US	
Zhu, Xiaoxun	Marlton	NJ	US	
Au, Ka Man	Philadelphia	PA	US	
Schwartz, Barry E.	Haddonfield	NJ	US	

US-CL-CURRENT: 235/454

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw. Da
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☐ 15. Document ID: US 20030071119 A1

L6: Entry 15 of 52

File: PGPB

Apr 17, 2003

PGPUB-DOCUMENT-NUMBER: 20030071119
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030071119 A1

TITLE: Method of and apparatus for automatically compensating for viewing-angle distortion in digital linear images of object surfaces moving past a planar laser illumination and imaging (PLIIM) based camera system at skewed viewing angles

PUBLICATION-DATE: April 17, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Tsikos, Constantine J.	Voorhees	NJ	US	
Knowles, C. Harry	Moorestown	NJ	US	
Zhu, Xiaoxun	Marlton	NJ	US	
Schnee, Michael D.	Aston	PA	US	
Au, Ka Man	Philadelphia	PA	US	
Ghosh, Sankar	Glenolden	PA	US	

US-CL-CURRENT: 235/434

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw. Da
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☐ 16. Document ID: US 20030062415 A1

L6: Entry 16 of 52

File: PGPB

Apr 3, 2003

PGPUB-DOCUMENT-NUMBER: 20030062415
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030062415 A1

TITLE: Planar laser illumination and imaging (PLIIM) based camera system for automatically producing digital linear images of a moving object, containing pixels having a substantially square aspectratio independent of the measured range and/or velocity of said moving object

PUBLICATION-DATE: April 3, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Tsikos, Constantine J.	Voorhees	NJ	US	
Knowles, C. Harry	Moorestown	NJ	US	
Zhu, Xiaoxun	Marlton	NJ	US	
Schnee, Michael D.	Aston	PA	US	
Au, Ka Man	Philadelphia	PA	US	
Wirth, Allan	Bedford	MA	US	
Ghosh, Sankar	Glenolden	PA	US	

US-CL-CURRENT: 235/454

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Drawings
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☐ 17. Document ID: US 20030062414 A1

L6: Entry 17 of 52

File: PGPB

Apr 3, 2003

PGPUB-DOCUMENT-NUMBER: 20030062414
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030062414 A1

TITLE: Method of and apparatus for automatically cropping captured linear images of a moving object prior to image processing using region of interest (ROI) coordinate specifications captured by an object profiling subsystem

PUBLICATION-DATE: April 3, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Tsikos, Constantine J.	Voorhees	NJ	US	
Knowles, C. Harry	Moorestown	NJ	US	
Zhu, Xiaoxun	Marlton	NJ	US	
Au, Ka Man	Philadelphia	PA	US	
Ghosh, Sankar	Glenolden	PA	US	

US-CL-CURRENT: 235/454

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 18. Document ID: US 20030053513 A1

L6: Entry 18 of 52

File: PGPB

Mar 20, 2003

PGPUB-DOCUMENT-NUMBER: 20030053513

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030053513 A1

TITLE: Method of and system for producing high-resolution 3-D images of 3-D object surfaces having arbitrary surface geometry

PUBLICATION-DATE: March 20, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Vatan, Pirooz	Lexington	MA	US	
Knowles, C. Harry	Moorestown	NJ	US	
Zhu, Xiaoxun	Marlton	NJ	US	
Tsikos, Constantine J.	Voorhees	NJ	US	

US-CL-CURRENT: 372/109; 385/93

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 19. Document ID: US 20030052175 A1

L6: Entry 19 of 52

File: PGPB

Mar 20, 2003

PGPUB-DOCUMENT-NUMBER: 20030052175

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030052175 A1

TITLE: Method of and system for automatically producing digital images of moving objects, with pixels having a substantially uniform white level independent of the velocities of the moving objects

PUBLICATION-DATE: March 20, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Tsikos, Constantine J.	Voorhees	NJ	US	
Knowles, C. Harry	Moorestown	NJ	US	
Zhu, Xiaoxun	Marlton	NJ	US	
Schnee, Michael D.	Aston	PA	US	
Au, Ka Man	Philadelphia	PA	US	
Wirth, Allan	Bedford	MA	US	

Good, Timothy A.	Clementon	NJ	US
Jankevics, Andrew	Westford	MA	US
Ghosh, Sankar	Glenolden	PA	US
Naylor, Charles A.	Sewell	NJ	US
Amundsen, Thomas	Turnersville	NJ	US
Blake, Robert	Woodbury Heights	NJ	US
Svedas, William	Deptford	NJ	US
Defoney, Shawn	Runnemede	NJ	US
Skypala, Edward	Blackwood	NJ	US
Vatan, Pirooz	Wilmington	MA	US
Dobbs, Russell Joseph	Cherry Hill	NJ	US
Kolis, George	Pennsauken	NJ	US
Schmidt, Mark C.	Williamstown	NJ	US
Yorsz, Jeffery	Winchester	MA	US
Giordano, Patrick A.	Blackwood	NJ	US
Colavito, Stephen J.	Brookhaven	PA	US
Wilz, David W. SR.	Sewell	NJ	US
Schwartz, Barry E.	Haddonfield	NJ	US
Kim, Steven Y.	Cambridge	MA	US
Fisher, Dale	Voorhees	NJ	US
Van Tassell, Jon	Winchester	MA	US

US-CL-CURRENT: 235/472.01

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw. Des
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☐ 20. Document ID: US 20030052169 A1

L6: Entry 20 of 52

File: PGPB

Mar 20, 2003

PGPUB-DOCUMENT-NUMBER: 20030052169

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030052169 A1

TITLE: Planar laser illumination and imaging (PLIIM) based camera system for producing high-resolution 3-D images of moving 3-D objects

PUBLICATION-DATE: March 20, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Tsikos, Constantine J.	Voorhees	NJ	US	
Knowles, C. Harry	Moorestown	NJ	US	
Zhu, Xiaoxun	Marlton	NJ	US	
Vatan, Pirooz	Wilmington	MA	US	

US-CL-CURRENT: 235/454

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawn D
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☐ 21. Document ID: US 20030047597 A1

L6: Entry 21 of 52

File: PGPB

Mar 13, 2003

PGPUB-DOCUMENT-NUMBER: 20030047597

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030047597 A1

TITLE: Programmable data element queuing, handling, processing and linking device integrated into an object identification and attribute acquisition system

PUBLICATION-DATE: March 13, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Knowles, C. Harry	Moorestown	NJ	US	
Defoney, Shawn	Runnemede	NJ	US	
Skypala, Edward	Blackwood	NJ	US	
Schmidt, Mark C.	Williamstown	NJ	US	

US-CL-CURRENT: 235/375

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawn D
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☐ 22. Document ID: US 20030042315 A1

L6: Entry 22 of 52

File: PGPB

Mar 6, 2003

PGPUB-DOCUMENT-NUMBER: 20030042315

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030042315 A1

TITLE: Hand-supportable planar laser illumination and imaging (PLIIM) based camera system capable of producing digital linear images of a object, containing pixels having a substantially uniform white level independent of the velocity of the object while manually moving said PLIIM based camera system past said object during illumination and imaging operations

PUBLICATION-DATE: March 6, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Tsikos, Constantine J.	Voorhees	NJ	US	
Knowles, C. Harry	Moorestown	NJ	US	
Zhu, Xiaoxun	Marlton	NJ	US	
Schnee, Michael D.	Aston	PA	US	
Au, Ka Man	Philadelphia	PA	US	
Ghosh, Sankar	Glenolden	PA	US	

US-CL-CURRENT: 235/472.01

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw D
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☐ 23. Document ID: US 20030042314 A1

L6: Entry 23 of 52

File: PGPB

Mar 6, 2003

PGPUB-DOCUMENT-NUMBER: 20030042314

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030042314 A1

TITLE: Hand-supportable planar laser illumination and imaging (PLIIM) device employing a pair of linear laser diode arrays mounted about an area image detection array, for illuminating an object to be imaged with a plurality of optically-combined spatially-incoherent planar laser illumination beams (PLIBS) scanned through the field of view (FOV) of said area image detection array, and reducing the speckle-pattern noise power in detected 2-D images by temporally-averaging detected speckle-noise patterns during the photo-integration time period of said area image detection array

PUBLICATION-DATE: March 6, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Tsikos, Constantine J.	Voorhees	NJ	US	
Knowles, C. Harry	Moorestown	NJ	US	
Zhu, Xiaoxun	Marlton	NJ	US	
Schnee, Michael D.	Aston	PA	US	
Wirth, Allan	Bedford	MA	US	
Good, Timothy A.	Clementon	NJ	US	

US-CL-CURRENT: 235/472.01

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw D
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☐ 24. Document ID: US 20030042309 A1

L6: Entry 24 of 52

File: PGPB

Mar 6, 2003

PGPUB-DOCUMENT-NUMBER: 20030042309

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030042309 A1

TITLE: Generalized method of speckle-noise pattern reduction and particular forms of apparatus therefor based on reducing the spatial-coherence of the planar laser illumination beam after it illuminates the target by applying spatial intensity modulation techniques during the detection of the reflected/scattered PLIB

PUBLICATION-DATE: March 6, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Tsikos, Constantine J.	Voorhees	NJ	US	
Knowles, C. Harry	Moorestown	NJ	US	
Wirth, Allan	Bedford	MA	US	
Jankevics, Andrew	Westford	MA	US	
Good, Timothy A.	Clementon	NJ	US	

US-CL-CURRENT: 235/454

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw. De
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☐ 25. Document ID: US 20030042304 A1

L6: Entry 25 of 52

File: PGPB

Mar 6, 2003

PGPUB-DOCUMENT-NUMBER: 20030042304
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030042304 A1

TITLE: Automatic vehicle identification and classification (AVIC) system employing
a tunnel-arrangement of PLIIM-based subsystems

PUBLICATION-DATE: March 6, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Knowles, C. Harry	Moorestown	NJ	US	
Zhu, Xiaoxun	Marlton	NJ	US	
Schnee, Michael D.	Aston	PA	US	

US-CL-CURRENT: 235/384

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw. De
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☐ 26. Document ID: US 20030042303 A1

L6: Entry 26 of 52

File: PGPB

Mar 6, 2003

PGPUB-DOCUMENT-NUMBER: 20030042303
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030042303 A1

TITLE: Automatic vehicle identification (AVI) system employing planar laser
illumination imaging (PLIIM) based subsystems

PUBLICATION-DATE: March 6, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Tsikos, Constantine J.	Voorhees	NJ	US	

Knowles, C. Harry	Moorestown	NJ	US
Zhu, Xiaoxun	Marlton	NJ	US
Schnee, Michael D.	Aston	PA	US

US-CL-CURRENT: 235/384

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 27. Document ID: US 20030038179 A1

L6: Entry 27 of 52

File: PGPB

Feb 27, 2003

PGPUB-DOCUMENT-NUMBER: 20030038179

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030038179 A1

TITLE: Tunnel-based method of and system for identifying transported packages employing the transmission of package dimension data over a data communications network and the transformation of package dimension data at linear imaging subsystems in said tunnel-based system so as to enable the control of auto zoom/focus camera modules therewithin during linear imaging operations

PUBLICATION-DATE: February 27, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Tsikos, Contantine J.	Voorhees	NJ	US	
Knowles, C. Harry	Moorestown	NJ	US	
Zhu, Xiaoxun	Marlton	NJ	US	
Au, Ka Man	Philadelphia	PA	US	
Ghosh, Sankar	Glenolden	PA	US	

US-CL-CURRENT: 235/454

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 28. Document ID: US 20030035461 A1

L6: Entry 28 of 52

File: PGPB

Feb 20, 2003

PGPUB-DOCUMENT-NUMBER: 20030035461

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030035461 A1

TITLE: Hand-supportable planar laser illumination and imaging (PLIIM) device employing a pair of linear laser diode arrays mounted about a linear image detection array, for illuminating an object to be imaged with a plurality of optically-combined spatially-incoherent planar laser illumination beams (PLIBS) and reducing the speckle-pattern noise power in detected linear images by temporally-averaging detected speckle-noise patterns during the photo-integration time period of said linear image detection array

PUBLICATION-DATE: February 20, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Tsikos, Constantine J.	Voorhees	NJ	US	
Knowles, C. Harry	Moorestown	NJ	US	
Schnee, Michael D.	Aston	PA	US	
Good, Timothy A.	Clementon	NJ	US	

US-CL-CURRENT: 372/108; 372/43

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 29. Document ID: US 20030035460 A1

L6: Entry 29 of 52

File: PGPB

Feb 20, 2003

PGPUB-DOCUMENT-NUMBER: 20030035460

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030035460 A1

TITLE: Planar laser illumination and imaging (PLIIM) device employing a linear image detection array having vertically-elongated image detection elements, wherein the height of the vertically-elongated image detection elements and the F/# parameter of the image formation optics are configured to reduce speckle-pattern noise power through spatial-averaging of detected speckle-noise patterns

PUBLICATION-DATE: February 20, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Tsikos, Constantine J.	Voorhees	NJ	US	
Knowles, C. Harry	Moorestown	NJ	US	
Good, Timothy A.	Clementon	NJ	US	
Giordano, Patrick A.	Blackwood	NJ	US	

US-CL-CURRENT: 372/101; 372/43

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 30. Document ID: US 20030034898 A1

L6: Entry 30 of 52

File: PGPB

Feb 20, 2003

PGPUB-DOCUMENT-NUMBER: 20030034898

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030034898 A1

TITLE: Thermostat and remote control system and method

PUBLICATION-DATE: February 20, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Shamoon, Charles G.	Raleigh	NC	US	
Shamoon, Deborah H.	Raleigh	NC	US	
Spinks, Brian	Wendell	NC	US	
Dorsett, Dale E.	Raleigh	NC	US	

US-CL-CURRENT: 340/825.72; 340/825.24

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw D
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☐ 31. Document ID: US 20030034396 A1

L6: Entry 31 of 52

File: PGPB

Feb 20, 2003

PGPUB-DOCUMENT-NUMBER: 20030034396

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030034396 A1

TITLE: Method of speckle-noise pattern reduction and apparatus therefor based on reducing the spatial-coherence of the planar laser illumination beam before it illuminates the target object by applying spatial phase modulation techniques during the transmission of the PLIB towards the target

PUBLICATION-DATE: February 20, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Tsikos, Constantine J.	Voorhees	NJ	US	
Knowles, C. Harry	Moorestown	NJ	US	
Wirth, Allan	Bedford	MA	US	
Good, Timothy A.	Clementon	NJ	US	
Jankevics, Andrew	Westford	MA	US	

US-CL-CURRENT: 235/454

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw D
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☐ 32. Document ID: US 20030034395 A1

L6: Entry 32 of 52

File: PGPB

Feb 20, 2003

PGPUB-DOCUMENT-NUMBER: 20030034395

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030034395 A1

TITLE: Planar light illumination and imaging (PLIIM) based system having a linear image detection chip mounting assembly with means for preventing misalignment

between the field of view (FOV) of said linear image detection chip and the coplanar laser illumination beam (PLIB) produced by said PLIIM based system, in response to thermal expansion and/or contraction within said PLIIM based system

PUBLICATION-DATE: February 20, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Tsikos, Constantine J.	Voorhees	NJ	US	
Knowles, C. Harry	Moorestown	NJ	US	
Zhu, Xiaoxun	Marlton	NJ	US	
Schnee, Michael D.	Aston	PA	US	
Au, Ka Man	Philadelphia	PA	US	
Wirth, Allan	Bedford	MA	US	
Good, Timothy A.	Clementon	NJ	US	
Jankevics, Andrew	Westford	MA	US	
Ghosh, Sankar	Glenolden	PA	US	
Naylor, Charles A.	Sewell	NJ	US	
Amundsen, Thomas	Turnersville	NJ	US	
Blake, Robert	Woodbury Heights	NJ	US	
Svedas, William	Deptford	NJ	US	
Defoney, Shawn	Runnemede	NJ	US	
Skypala, Edward	Blackwood	NJ	US	
Vatan, Pirooz	Wilmington	MA	US	
Dobbs, Russell Joseph	Cherry Hill	NJ	US	
Kolis, George	Pennsauken	NJ	US	
Schmidt, Mark C.	Williamstown	NJ	US	
Yorsz, Jeffery	Winchester	MA	US	
Giordano, Patrick A.	Blackwood	NJ	US	
Colavito, Stephen J.	Brookhaven	PA	US	
Wilz,, David W. SR.	Sewell	NJ	US	
Schwartz, Barry E.	Haddonfield	NJ	US	
Kim, Steven Y.	Cambridge	MA	US	
Fisher, Dale	Voorhees	NJ	US	
Tassell, Jon Van	Winchester	MA	US	

US-CL-CURRENT: 235/454

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw D
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☐ 33. Document ID: US 20030034387 A1

L6: Entry 33 of 52

File: PGPB

Feb 20, 2003

PGPUB-DOCUMENT-NUMBER: 20030034387

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030034387 A1

TITLE: Object identification and attribute information acquisition and linking

computer system

PUBLICATION-DATE: February 20, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Knowles, C. Harry	Moorestown	NJ	US	
Ghosh, Sankar	Glenolden	PA	US	
Defoney, Shawn	Runnemede	NJ	US	
Skypala, Edward	Blackwood	NJ	US	
Schmidt, Mark C.	Williamstown	NJ	US	

US-CL-CURRENT: 235/375

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. D.
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☐ 34. Document ID: US 20030027608 A1

L6: Entry 34 of 52

File: PGPB

Feb 6, 2003

PGPUB-DOCUMENT-NUMBER: 20030027608

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030027608 A1

TITLE: Power optimized request response communication protocol with timer mechanism to enforce client to generate request

PUBLICATION-DATE: February 6, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Carmeli, Boaz	Misgay		IL	
Cohen, Benjamin M.	Misgav		IL	

US-CL-CURRENT: 455/574

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. D.
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☐ 35. Document ID: US 20030024987 A1

L6: Entry 35 of 52

File: PGPB

Feb 6, 2003

PGPUB-DOCUMENT-NUMBER: 20030024987

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030024987 A1

TITLE: Method of and apparatus for producing a digital image of an object with reduced speckle-patternnoise, by consecutively capturing, buffering and processing a series of digital images of the object over a series of consecutively different photo-integration time periods

PUBLICATION-DATE: February 6, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Zhu, Xiaoxun	Marlton	NJ	US	

US-CL-CURRENT: 235/454

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw. De
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☐ 36. Document ID: US 20030019933 A1

L6: Entry 36 of 52

File: PGPB

Jan 30, 2003

PGPUB-DOCUMENT-NUMBER: 20030019933

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030019933 A1

TITLE: Automated object identification and attribute acquisition system having a multi-compartment housing with optically-isolated light transmission apertures for operation of a planar laser illumination and imaging (PLIIM) based linear imaging subsystem and a laser-based object profiling subsystem integrated therein

PUBLICATION-DATE: January 30, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Tsikos, Constantine J.	Voorhees	NJ	US	
Knowles, C. Harry	Moorestown	NJ	US	
Zhu, Xiaoxun	Marlton	NJ	US	
Schnee, Michael D.	Aston	PA	US	
Naylor, Charles A.	Sewell	NJ	US	
Amundsen, Thomas	Turnersville	NJ	US	
Dobbs, Russell Joseph	Cherry Hill	NJ	US	

US-CL-CURRENT: 235/454

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw. De
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☐ 37. Document ID: US 20030019932 A1

L6: Entry 37 of 52

File: PGPB

Jan 30, 2003

PGPUB-DOCUMENT-NUMBER: 20030019932

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030019932 A1

TITLE: Method of speckle-noise pattern reduction and apparatus therefor based on reducing the temporal-coherence of the planar laser illumination beam before it illuminates the target object by applying temporal frequency modulation techniques during the transmission of the PLIB towards the target

PUBLICATION-DATE: January 30, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Tsikos, Constantine J.	Voorhees	NJ	US	
Knowles, C. Harry	Moorestown	NJ	US	
Wirth, Allan	Bedford	MA	US	
Good, Timothy A.	Clementon	NJ	US	
Jankevics, Andrew	Westford	MA	US	

US-CL-CURRENT: 235/454

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RWMC	Draw. De
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☐ 38. Document ID: US 20030019931 A1

L6: Entry 38 of 52

File: PGPB

Jan 30, 2003

PGPUB-DOCUMENT-NUMBER: 20030019931

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030019931 A1

TITLE: Method of speckle-noise pattern reduction and apparatus therefor based on reducing the temporal-coherence of the planar laser illumination beam (PLIB) after it illuminates the target by applying temporal intensity modulation techniques during the detection of the reflected/scattered PLIB

PUBLICATION-DATE: January 30, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Tsikos, Constantine J.	Voorhees	NJ	US	
Knowles, C. Harry	Moorestown	NJ	US	
Wirth, Allan	Bedford	MA	US	
Good, Timothy A.	Clementon	NJ	US	
Jankevics, Andrew	Wesford	MA	US	

US-CL-CURRENT: 235/454

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RWMC	Draw. De
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☐ 39. Document ID: US 20020145042 A1

L6: Entry 39 of 52

File: PGPB

Oct 10, 2002

PGPUB-DOCUMENT-NUMBER: 20020145042

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020145042 A1

TITLE: Internet-based remote monitoring, configuration and service (RMCS) system

capable of monitoring, configuring and servicing a planar laser illumination and imaging (PLIIM) based network

PUBLICATION-DATE: October 10, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Knowles, C. Harry	Moorestown	NJ	US	
Schmidt, Mark C.	Williamstown	NJ	US	
Zhu, Xiaoxun	Marlton	NJ	US	
Defoney, Shawn	Runnemede	NJ	US	
Skypala, Edward	Blackwood	NJ	US	
Tsikos, Constantine J.	Voorhees	NJ	US	
Au, Ka Man	Philadelphia	PA	US	
Schwartz, Barry E.	Haddonfield	NJ	US	
Wirth, Allan	Bedford	MA	US	
Jankevics, Andrew	Westford	MA	US	
Good, Timothy A.	Clementon	NJ	US	
Ghosh, Sankar	Glenolden	PA	US	
Schnee, Michael D.	Aston	PA	US	
Kolis, George	Pennsauken	NJ	US	
Amundsen, Thomas	Turnersville	NJ	US	
Naylor, Charles A.	Sewell	NJ	US	
Blake, Robert	Woodbury Heights	NJ	US	
Dobbs, Russell Joseph	Cherry Hill	NJ	US	
Yorsz, Jeffery	Winchester	MA	US	
Giordano, Patrick A.	Blackwood	NJ	US	
Colavito, Stephen J.	Brookhaven	PA	US	
Wilz, David W. SR.	Sewell	NJ	US	
Svedas, William	Deptford	NJ	US	
Kim, Steven Y.	Cambridge	MA	US	
Fischer, Dale M.	Voorhees	NJ	US	
Tassell, Jon Van	Winchester	MA	US	

US-CL-CURRENT: 235/462.01

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw. De
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☐ 40. Document ID: US 20010047400 A1

L6: Entry 40 of 52

File: PGPB

Nov 29, 2001

PGPUB-DOCUMENT-NUMBER: 20010047400

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010047400 A1

TITLE: Methods and apparatus for off loading content servers through direct file transfer from a storage center to an end-user

PUBLICATION-DATE: November 29, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Coates, Joshua L.	Orinda	CA	US	
Bozeman, Patrick E.	San Francisco	CA	US	
Gautier, Taylor	San Francisco	CA	US	

US-CL-CURRENT: 709/219

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw. De
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☐ 41. Document ID: US 6851610 B2

L6: Entry 41 of 52

File: USPT

Feb 8, 2005

US-PAT-NO: 6851610

DOCUMENT-IDENTIFIER: US 6851610 B2

TITLE: Tunnel-type package identification system having a remote image keying station with an ethernet-over-fiber-optic data communication link

DATE-ISSUED: February 8, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Knowles; C. Harry	Moorestown	NJ		
Kim; Steven Y.	Cambridge	MA		

US-CL-CURRENT: 235/462.01; 235/472.01

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw. De
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☐ 42. Document ID: US 6837432 B2

L6: Entry 42 of 52

File: USPT

Jan 4, 2005

US-PAT-NO: 6837432

DOCUMENT-IDENTIFIER: US 6837432 B2

TITLE: METHOD OF AND APPARATUS FOR AUTOMATICALLY CROPPING CAPTURED LINEAR IMAGES OF A MOVING OBJECT PRIOR TO IMAGE PROCESSING USING REGION OF INTEREST (ROI) COORDINATE SPECIFICATIONS CAPTURED BY AN OBJECT PROFILING SUBSYSTEM

DATE-ISSUED: January 4, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tsikos; Constantine J.	Voorhees	NJ		
Knowles; C. Harry	Moorestown	NJ		

Zhu; Xiaoxun	Marlton	NJ
Au; Ka Man	Philadelphia	PA
Ghosh; Sankar	Glenolden	PA

US-CL-CURRENT: 235/462.01; 235/462.25, 235/472.01

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw D
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☐ 43. Document ID: US 6830185 B2

L6: Entry 43 of 52

File: USPT

Dec 14, 2004

US-PAT-NO: 6830185

DOCUMENT-IDENTIFIER: US 6830185 B2

TITLE: Method of and system for automatically producing digital images of a moving object, with pixels having a substantially uniform white level independent of the velocity of said moving object

DATE-ISSUED: December 14, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tsikos; Constantine J.	Voorhees	NJ		
Knowles; C. Harry	Moorestown	NJ		
Zhu; Xiaoxun	Marlton	NJ		
Schnee; Michael D.	Aston	PA		
Au; Ka Man	Philadelphia	PA		
Wirth; Allan	Bedford	MA		
Good; Timothy A.	Clementon	NJ		
Ghosh; Sankar	Glenolden	PA		
Amundsen; Thomas	Turnersville	NJ		

US-CL-CURRENT: 235/462.01; 235/472.01

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw D
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☐ 44. Document ID: US 6830184 B2

L6: Entry 44 of 52

File: USPT

Dec 14, 2004

US-PAT-NO: 6830184

DOCUMENT-IDENTIFIER: US 6830184 B2

TITLE: METHOD OF AND APPARATUS FOR AUTOMATICALLY COMPENSATING FOR VIEWING-ANGLE DISTORTION IN DIGITAL LINEAR IMAGES OF OBJECT SURFACES MOVING PAST A PLANAR LASER ILLUMINATION AND IMAGING (PLIIM) BASED CAMERA SYSTEM AT SKEWED VIEWING ANGLES

DATE-ISSUED: December 14, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tsikos; Constantine J.	Voorhees	NJ		
Knowles; C. Harry	Moorestown	NJ		
Zhu; Xiaoxun	Marlton	NJ		
Schnee; Michael D.	Aston	PA		
Au; Ka Man	Philadelphia	PA		
Ghosh; Sankar	Glenolden	PA		

US-CL-CURRENT: 235/462.01; 235/462.25, 235/472.01

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 45. Document ID: US 6827265 B2

L6: Entry 45 of 52

File: USPT

Dec 7, 2004

US-PAT-NO: 6827265

DOCUMENT-IDENTIFIER: US 6827265 B2

TITLE: Automatic vehicle identification and classification (AVIC) system employing a tunnel-arrangement of PLIIM-based subsystems

DATE-ISSUED: December 7, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Knowles; C. Harry	Moorestown	NJ		
Zhu; Xiaoxun	Marlton	NJ		
Schnee; Michael D.	Aston	PA		

US-CL-CURRENT: 235/462.01; 235/462.25, 235/472.01

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 46. Document ID: US 6739511 B2

L6: Entry 46 of 52

File: USPT

May 25, 2004

US-PAT-NO: 6739511

DOCUMENT-IDENTIFIER: US 6739511 B2

TITLE: METHOD OF SPECKLE-NOISE PATTERN REDUCTION AND APPARATUS THEREFOR BASED ON REDUCING THE TEMPORAL-COHERENCE OF THE PLANAR LASER ILLUMINATION BEAM BEFORE IT ILLUMINATES THE TARGET OBJECT BY APPLYING TEMPORAL PHASE MODULATION TECHNIQUES DURING THE TRANSMISSION OF THE PLIB TOWARDS THE TARGET

DATE-ISSUED: May 25, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tsikos; Constantine J.	Voorhees	NJ		
Knowles; C. Harry	Moorestown	NJ		
Wirth; Allan	Bedford	MA		
Good; Timothy A.	Clementon	NJ		
Jankevics; Andrew	Westford	MA		

US-CL-CURRENT: 235/462.01; 235/462.25, 235/472.03

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw. De
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☐ 47. Document ID: US 6611844 B1

L6: Entry 47 of 52

File: USPT

Aug 26, 2003

US-PAT-NO: 6611844

DOCUMENT-IDENTIFIER: US 6611844 B1

TITLE: Method and system for java program storing database object entries in an intermediate form between textual form and an object-oriented form

DATE-ISSUED: August 26, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Saulpaugh; Thomas E.	San Jose	CA		
Slaughter; Gregory L.	Palo Alto	CA		
Traversat; Bernard A.	San Francisco	CA		

US-CL-CURRENT: 707/100, 707/102, 707/104.1, 717/108, 717/116, 717/147, 717/153,
719/316, 719/332

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw. De
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☐ 48. Document ID: US 6609130 B1

L6: Entry 48 of 52

File: USPT

Aug 19, 2003

US-PAT-NO: 6609130

DOCUMENT-IDENTIFIER: US 6609130 B1

TITLE: Method for serializing, compiling persistent textual form of an object-oriented database into intermediate object-oriented form using plug-in module translating entries according to grammar

DATE-ISSUED: August 19, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Saulpaugh; Thomas E.	San Jose	CA		

Slaughter; Gregory L.	Palo Alto	CA
Traversat; Bernard A.	San Francisco	CA
Nelson; Matthew R.	Sunnyvale	CA

US-CL-CURRENT: 707/102; 707/100, 707/104.1, 717/108, 717/116, 717/147, 717/152, 717/165

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw. D.
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☐ 49. Document ID: US 6598052 B1

L6: Entry 49 of 52

File: USPT

Jul 22, 2003

US-PAT-NO: 6598052

DOCUMENT-IDENTIFIER: US 6598052 B1

TITLE: Method and system for transforming a textual form of object-oriented database entries into an intermediate form configurable to populate an object-oriented database for sending to java program

DATE-ISSUED: July 22, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Saulpaugh; Thomas E.	San Jose	CA		
Slaughter; Gregory L.	Palo Alto	CA		
Traversat; Bernard A.	San Francisco	CA		

US-CL-CURRENT: 707/102; 707/100, 707/104.1, 717/108, 717/116, 717/147, 717/152, 717/165

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw. D.
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☐ 50. Document ID: US 6542899 B1

L6: Entry 50 of 52

File: USPT

Apr 1, 2003

US-PAT-NO: 6542899

DOCUMENT-IDENTIFIER: US 6542899 B1

TITLE: Method and system for expressing information from an object-oriented database in a grammatical form

DATE-ISSUED: April 1, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Saulpaugh; Thomas E.	San Jose	CA		
Slaughter; Gregory L.	Palo Alto	CA		
Traversat; Bernard A.	San Francisco	CA		

US-CL-CURRENT: 707/103R; 707/100, 707/102, 717/112, 717/114, 717/116, 717/140,
717/146, 717/147, 719/315

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw D.
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Terms	Documents
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Search Results - Record(s) 51 through 52 of 52 returned.

☐ 51. Document ID: US 6298354 B1

Using default format because multiple data bases are involved.

L6: Entry 51 of 52

File: USPT

Oct 2, 2001

US-PAT-NO: 6298354

DOCUMENT-IDENTIFIER: US 6298354 B1

TITLE: Mechanism and process to transform a grammar-derived intermediate form to an object-oriented configuration database

DATE-ISSUED: October 2, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Saulpaugh; Thomas E.	San Jose	CA		
Slaughter; Gregory L.	Palo Alto	CA		
Traversat; Bernard A.	San Francisco	CA		

US-CL-CURRENT: 707/103R; 707/100

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw D
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☐ 52. Document ID: US 5838965 A

L6: Entry 52 of 52

File: USPT

Nov 17, 1998

US-PAT-NO: 5838965

DOCUMENT-IDENTIFIER: US 5838965 A

TITLE: Object oriented database management system

DATE-ISSUED: November 17, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kavanagh; Thomas S.	Boulder	CO		
Beall; Christopher W.	Boulder	CO		
Heiny; William C.	Arvada	CO		
Motycka; John D.	Evergreen	CO		
Pendleton; Samuel S.	Louisville	CO		
Smallwood; Thomas D.	Lafayette	CO		

Terpening; Brooke E.	Golden	CO
Traut; Kenneth A.	Boulder	CO

US-CL-CURRENT: 707/103R

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Drawn D
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Terms	Documents
L5 and server	52

Display Format: [Previous Page](#) [Next Page](#) [Go to Doc#](#)